Serial No.: Not Yet Assigned
Title: "Enhanced PDE Selection"
Applicant: Steven P. Nowak
Docket No.: 42365-00590
Express Mail No.: EL702178288US
Attorney: Kenneth J. Johnson, Tel: (303) 338-0997

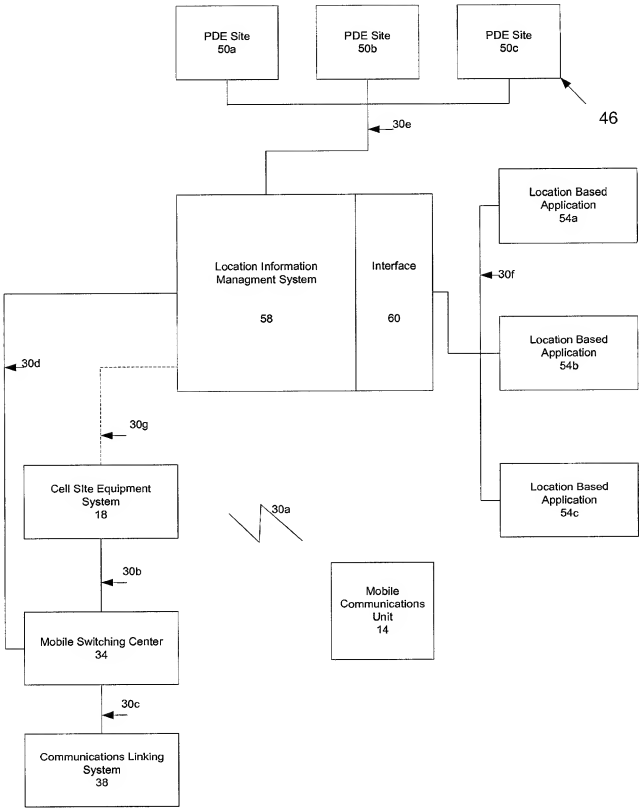

Figure 1

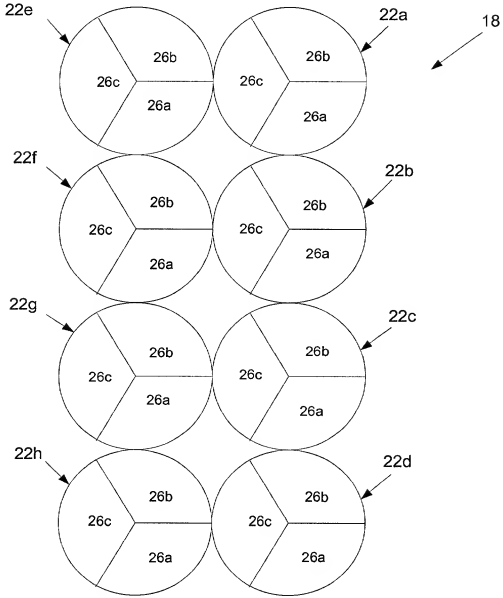

Fig. 2

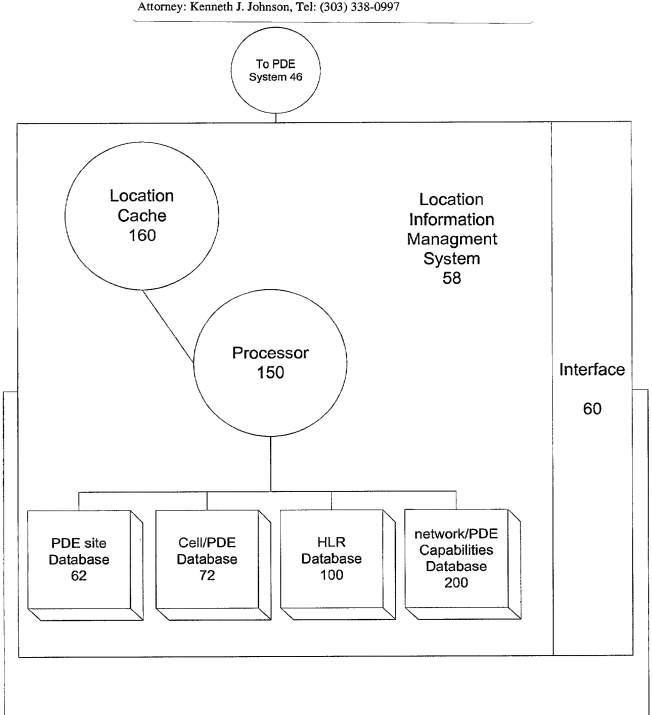

Figure 3

10074417 - 020702

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Figure 4. PDE site Database 62

Record	PDE Site 70	PDE Type 74	Physical Location 78	Coverage Area 82	Determining Accuracy 86	Computational Speed 90	Cost 94	Handset Based 96	Extra 98
66a									
66b									
66c									
66d									

Figure 5 Cell/PDE Database 72

Cell/ Cell Sector 77	Available PDE Sites 70a	Available PDE Sites 70b	Available PDE Sites 70n
75a			
75b			
75c			
75d			

Figure 6 HLR Database 100

Record	Mobile Unit 108	Subscriber Address 116	Subscriber Name 112	PDE Capabilities 116	Physical Location Info 124	Physical Location Time 128
104a						
104b						
104c						

Figure 7 System/PDE Capabilities 200

PDE Type 204	Average Determination Accuracy 206	Average Response Time 210	Average Cost 212	'N' Attributes 214
PDE Type 1				
PDE Type 2				
PDE Type N				

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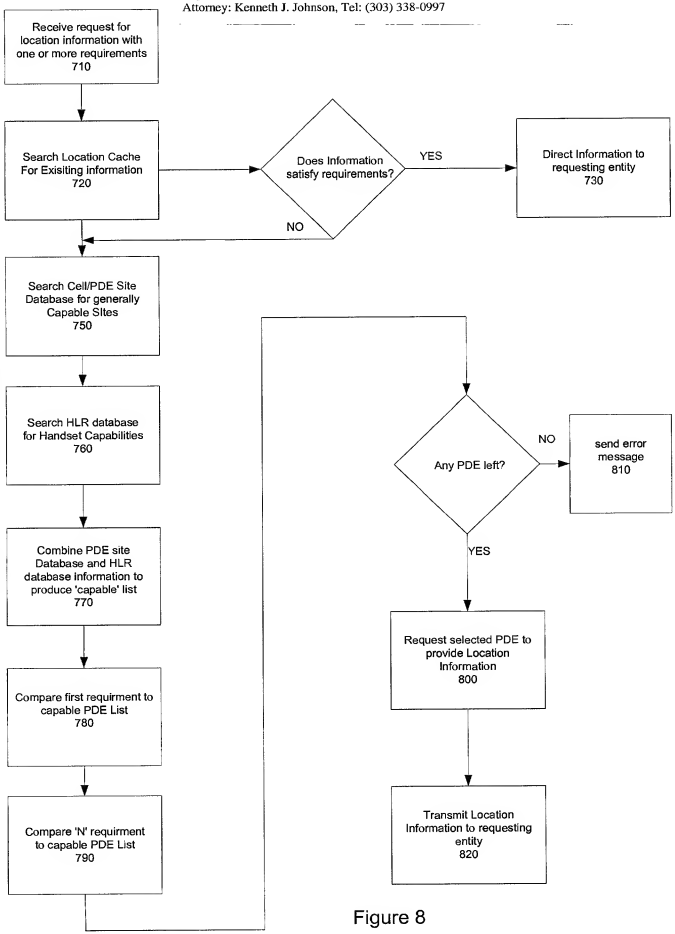
Receive request for location information with one or more requirements 710
Search Location Cache For Exisiting Information 720
Does Information satisfy requirements?
YES
Direct Information to requesting entity 730
NO
Search Cell/PDE Site Database for generally Capable SItes 750
Search HLR database for Handset Capabilities 760
Combine PDE site Database and HLR database information to produce 'capable' list 770
Compare first requirment to capable PDE List 780
Compare 'N' requirment to capable PDE List 790
Any PDE left?
NO
send error message 810
YES
Request selected PDE to provide Location Information 800
Transmit Location Information to requesting entity 820

Figure 8